

PATENT

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

THE APPLICATION OF:

STEPHEN M. ALLEN ET. AL.

CASE NO.: BB1439USCNT

APPLICATION NO.: 10/674309

CONFIRMATION NO.: 5248

GROUP ART UNIT: 1638

EXAMINER: UNKNOWN

FILED: SEPTEMBER 30, 2003

FOR: STARCH BRANCHING ENZYME IIB

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In compliance with 37 CFR 1.97 and 1.98, Applicants bring to the attention of the U.S. Patent and Trademark Office information listed on the enclosed PTO-892 of record in the parent application and PTO/SB/08A and PTO/SB/08B forms submitted in the instant application. Applicants note that the reference, C. Sun et al., Plant Physiol. 118:37-49, (1993), is cited in the PTO/SB/08B forms of the parent and instant applications, as well as in the PTO-892 form of the parent application. Applicants further note that the reference, P. Broun et al., Science 282:1315-1317, (1998), was cited in the Office Action of October 4, 2002, of the parent case, but was not listed in the corresponding PTO-892 form; we have included this reference in the PTO/SB/08B form of the instant application.

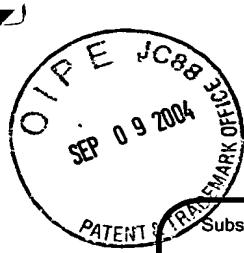
Benefit of the earlier filing date of U.S. Patent Application No. 09/792,127 filed February 23, 2001 is claimed under 35 U.S.C. 120 for the above-referenced application and only copies of information not previously made of record in the parent are enclosed.

Should any fee be required in connection with the filing of this Information Disclosure Statement, please charge such fee to Deposit Account No. 04-1928 (E. I. du Pont de Nemours and Company).

Respectfully submitted,

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AGENT FOR APPLICANTS
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Dated: August 19, 2004
Enclosures



PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

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Application Number 10/674,309

Application Number	10/674309
Filing Date	September 30, 2003
First Named Inventor	STEPHEN M. ALLEN
Group Art Unit	1638
Examiner Name	UNKNOWN
Attorney Docket Number	BB1439USCNT

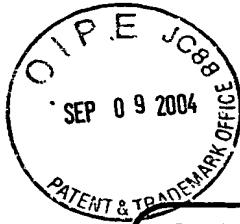
U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
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***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.¹ Applicant's unique citation designation number (optional).² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



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Complete if Known

Application Number	10/674309
Filing Date	September 30, 2003
First Named Inventor	STEPHEN M. ALLEN ET. AL.
Group Art Unit	1638
Examiner Name	UNKNOWN
Attorney Docket Number	BB1439USCNT

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	1	C. MARTIN ET AL., Starch Biosynthesis, Plant Cell, Vol. 7:971-985, 1995	<input type="checkbox"/>
	2	H.P. GUAN ET AL., Expression of Branching Enzyme II of Maize Endosperm in Escherichia coli, Cell. Mol. Biol., Vol. 40(7):981-988, 1994	<input type="checkbox"/>
	3	NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 3822022, ACCESSION NO: AAC69754, 11-03-1998, C. SUN ET AL., The Two Genes Encoding Starch-Branching Enzymes Ila and Ilb Are Differentially Expressed in Barley	<input type="checkbox"/>
	4	C. SUN ET AL., The Two Genes Encoding Starch-Branching Enzymes Ila and Ilb Are Differentially Expressed in Barley, Plant Physiol. Vol. 118:37-49, 1998	<input type="checkbox"/>
	5	K. MIZUNO ET AL., Alteration of the Structural Properties of Starch Components by the Lack of an Isoform of Starch Branching Enzyme in Rice Seeds, J. Biol. Chem., Vol. 268(25):19084-19091, 1993	<input type="checkbox"/>
	6	J. MURAI ET AL., Isolation and Characterization of the Three Waxy Genes Encoding the Granule-Bound Starch Synthase in Hexaploid Wheat, Gene, Vol. 234:71-79, 1999	<input type="checkbox"/>
	7	NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 168483, ACCESSION NO: AAA18571, 06-01-1994, D.K. FISHER ET AL., Starch Branching Enzyme II from Maize Endosperm	<input type="checkbox"/>
	8	NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 436052, ACCESSION NO: BAA03738, 01-11-2003, K. MIZUNO ET AL., Alteration of the Structural Properties of Starch Components by the Lack of an Isoform of Starch Branching Enzyme in Rice Seeds	<input type="checkbox"/>
	9	D.K. FISHER ET AL., Starch Branching Enzyme II from Maize Endosperm, Plant Physiol. Vol. 102(3):1045-1046, 1993	<input type="checkbox"/>
	10	P. BROUN ET AL., Catalytic Plasticity of Fatty Acid Modification Enzymes Underlying Chemical Diversity of Plant Lipids, Science, Vol. 282:1315-1317, 1998	<input type="checkbox"/>
			<input type="checkbox"/>

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

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10/674309

BB1439USCNT

INFORMATION DISCLOSURE STATEMENT

PTO-892 FORM (1) (OF PARENT APPLICATION)

PTO/SB/08A FORM (1)

PTO/SB/08B FORM (1)

REFERENCES (4)

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This collection of information is required by 37 CFR 1.8. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.8 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



Notice of References Cited

Application/Control No. 09/792,127	Applicant(s)/Patent Under Reexamination ALLEN ET AL.	
	Examiner Russell Kallis	Art Unit 1638
		Page 1 of 1

U.S. PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
A	US-			
B	US-			
C	US-			
D	US-			
E	US-			
F	US-			
G	US-			
H	US-			
I	US-			
J	US-			
K	US-			
L	US-			
M	US-			

FOREIGN PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
N	WO 97/22703	06-1997	WIPO		
O					
P					
Q					
R					
S					
T					

NON-PATENT DOCUMENTS

*	Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
U	SUN et al. The two Genes Encoding Starch-Branching Enzymes IIa and IIb Are Differentially Expressed in Barley, 1998, Plant Physiol. 118: 37-49.
V	SHEN et al. Expression of the Two Isoforms of Spinach Ribulose 1,5-Bisphosphate Carboxylase Activase and Essentiality of the Conserved Lysine in the Consensus Nucleotide-binding Domain, 1990. The Journal of Biological Chemistry Vol. 266, No. 14 pp. 8963-8
W	NAIR et al. Isolation, characterization and expression analysis of a starch branching enzyme II cDNA from wheat, 1997. Plant Science 122, 153-163.
X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.